

**STIC Biotechnology Systems Branch**

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/536,880  
Source: PT  
Date Processed by STIC: 3/20/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



PCT

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/536,880**

**DATE: 03/20/2006**  
**TIME: 12:16:22**

**Input Set : A:\272924US0PCT.ST25.txt**  
**Output Set: N:\CRF4\03202006\J536880.raw**

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3 <110> APPLICANT: Onoue, Satomi
4     Endo, Kousuke
5     Matsumoto, Asami
7 <120> TITLE OF INVENTION: PEPTIDES AND MEDICINAL COMPOSITIONS CONTAINING THE SAME
9 <130> FILE REFERENCE: 272924US0PCT
11 <140> CURRENT APPLICATION NUMBER: 10/536,880
12 <141> CURRENT FILING DATE: 2005-05-27
14 <150> PRIOR APPLICATION NUMBER: PCT/JP03/14924
15 <151> PRIOR FILING DATE: 2003-11-21
17 <150> PRIOR APPLICATION NUMBER: JP 2002-344523
18 <151> PRIOR FILING DATE: 2002-11-27
20 <160> NUMBER OF SEQ ID NOS: 34
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
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35 <222> LOCATION: (5)..(5)
36 <223> OTHER INFORMATION: Xaa = Val or Ile
38 <220> FEATURE:
39 <221> NAME/KEY: MISC_FEATURE
40 <222> LOCATION: (8)..(8)
41 <223> OTHER INFORMATION: Xaa = Asp, Glu or Ala
43 <220> FEATURE:
44 <221> NAME/KEY: MISC_FEATURE
45 <222> LOCATION: (9)..(9)
46 <223> OTHER INFORMATION: Xaa = Asn or Ser
48 <220> FEATURE:
49 <221> NAME/KEY: MISC_FEATURE
50 <222> LOCATION: (11)..(11)
51 <223> OTHER INFORMATION: Xaa = Thr or Ser
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54 <221> NAME/KEY: MISC_FEATURE
55 <222> LOCATION: (13)..(13)
56 <223> OTHER INFORMATION: Xaa = Leu or Tyr
58 <220> FEATURE:
59 <221> NAME/KEY: MISC_FEATURE
60 <222> LOCATION: (15)..(15)
61 <223> OTHER INFORMATION: Xaa = Lys or Arg

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*Does Not Comply  
Corrected Diskette Needed*

*JP 2-316*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/536,880

DATE: 03/20/2006  
TIME: 12:16:22

Input Set : A:\272924US0PCT.ST25.txt  
Output Set: N:\CRF4\03202006\J536880.raw

63 <220> FEATURE:  
 64 <221> NAME/KEY: MISC\_FEATURE  
 65 <222> LOCATION: (17)..(17)  
 66 <223> OTHER INFORMATION: Xaa = Leu or Nle  
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 70 <222> LOCATION: (20)..(20)  
 71 <223> OTHER INFORMATION: Xaa = Lys or Arg  
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 75 <222> LOCATION: (21)..(21)  
 76 <223> OTHER INFORMATION: Xaa = Lys or Arg  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: MISC\_FEATURE  
 80 <222> LOCATION: (26)..(26)  
 81 <223> OTHER INFORMATION: Xaa = Ile or Val  
 83 <220> FEATURE:  
 84 <221> NAME/KEY: misc\_feature  
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 86 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid  
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     91 1               5                   10                   15  
 W--> 94 Xaa Ala Val Xaa Xaa Tyr Leu Ala Ala Xaa Xaa  
     95               20                   25  
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 104 <223> OTHER INFORMATION: Synthetic Peptide  
 107 <220> FEATURE:  
 108 <221> NAME/KEY: MOD\_RES  
 109 <222> LOCATION: (28)..(28)  
 110 <223> OTHER INFORMATION: Amidation  
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 118 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
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 131 <220> FEATURE:  
 132 <221> NAME/KEY: MOD\_RES  
 133 <222> LOCATION: (27)..(27)

Nle?

If so, please use "Nle,"  
instead, per representation  
in the sequence hubs.

RAW SEQUENCE LISTING  
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Input Set : A:\272924US0PCT.ST25.txt  
Output Set: N:\CRF4\03202006\J536880.raw

134 <223> OTHER INFORMATION: Amidation  
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 143 20 25  
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 151 <220> FEATURE:  
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 155 <220> FEATURE:  
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 157 <222> LOCATION: (38)..(38)  
 158 <223> OTHER INFORMATION: Amidation  
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 162 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln  
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 166 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys  
 167 20 25 30  
 170 Gln Arg Val Lys Asn Lys  
 171 35  
 174 <210> SEQ ID NO: 5  
 175 <211> LENGTH: 31  
 176 <212> TYPE: PRT  
 C--> 177 <213> ORGANISM: Aftificial      *Artificial*  
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 183 <223> OTHER INFORMATION: Amidation  
 185 <400> SEQUENCE: 5  
 187 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Arg Gln  
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 191 Leu Ala Val Arg Arg Tyr Leu Asn Ser Ile Leu Asn Gly Arg Arg  
 192 20 25 30  
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 196 <211> LENGTH: 30  
 197 <212> TYPE: PRT  
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 204 <220> FEATURE:  
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 206 <222> LOCATION: (30)..(30)  
 207 <223> OTHER INFORMATION: Amidation  
 209 <400> SEQUENCE: 6  
 211 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Arg Gln  
 212 1 5 10 15

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/536,880

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Input Set : A:\272924US0PCT.ST25.txt  
Output Set: N:\CRF4\03202006\J536880.raw

215 Leu Ala Val Arg Arg Tyr Leu Ala Ala Val Leu Gly Arg Arg  
216 20 25 30  
219 <210> SEQ ID NO: 7  
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228 <220> FEATURE:  
229 <221> NAME/KEY: MOD\_RES  
230 <222> LOCATION: (38)..(38)  
231 <223> OTHER INFORMATION: Amidation  
233 <400> SEQUENCE: 7  
235 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Arg Gln  
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239 Leu Ala Val Arg Arg Tyr Leu Ala Ala Val Leu Gly Arg Arg Tyr Arg  
240 20 25 30  
243 Gln Arg Val Arg Asn Arg  
244 35  
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248 <211> LENGTH: 25  
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250 <213> ORGANISM: Artificial  
252 <220> FEATURE:  
253 <223> OTHER INFORMATION: Synthetic Peptide  
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257 <221> NAME/KEY: MOD\_RES  
258 <222> LOCATION: (25)..(25)  
259 <223> OTHER INFORMATION: Amidation  
261 <400> SEQUENCE: 8  
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267 Met Ala Val Lys Lys Tyr Leu Asn Ser  
268 20 25  
271 <210> SEQ ID NO: 9  
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273 <212> TYPE: PRT  
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276 <220> FEATURE:  
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280 <220> FEATURE:  
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282 <222> LOCATION: (17)..(17)  
283 <223> OTHER INFORMATION: Oxidation  
285 <400> SEQUENCE: 9  
287 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
288 1 5 10 15  
291 Met Ala Val Lys Lys Tyr Leu Asn Ser  
292 20 25

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/536,880

DATE: 03/20/2006  
TIME: 12:16:22

Input Set : A:\272924US0PCT.ST25.txt  
Output Set: N:\CRF4\03202006\J536880.raw

295 <210> SEQ ID NO: 10  
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304 <220> FEATURE:  
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306 <222> LOCATION: (23)..(23)  
307 <223> OTHER INFORMATION: Amidation  
309 <400> SEQUENCE: 10  
311 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
312 1 5 10 15  
315 Leu Ala Val Lys Lys Tyr Leu  
316 20  
319 <210> SEQ ID NO: 11  
320 <211> LENGTH: 23  
321 <212> TYPE: PRT  
322 <213> ORGANISM: Artificial  
324 <220> FEATURE:  
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328 <220> FEATURE:  
329 <221> NAME/KEY: MOD\_RES  
330 <222> LOCATION: (23)..(23)  
331 <223> OTHER INFORMATION: Amidation  
333 <400> SEQUENCE: 11  
335 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Arg Gln  
336 1 5 10 15  
339 Leu Ala Val Arg Arg Tyr Leu  
340 20  
343 <210> SEQ ID NO: 12  
344 <211> LENGTH: 28  
345 <212> TYPE: PRT  
346 <213> ORGANISM: Artificial  
348 <220> FEATURE:  
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352 <220> FEATURE:  
353 <221> NAME/KEY: MOD\_RES  
354 <222> LOCATION: (28)..(28)  
355 <223> OTHER INFORMATION: Amidation  
357 <400> SEQUENCE: 12  
359 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
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363 Leu Ala Val Lys Lys Tyr Leu Ala Ala Ile Leu Asn  
364 20 25  
367 <210> SEQ ID NO: 13  
368 <211> LENGTH: 30  
369 <212> TYPE: PRT  
370 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/536,880

DATE: 03/20/2006  
TIME: 12:16:23

Input Set : A:\272924US0PCT.ST25.txt  
Output Set: N:\CRF4\03202006\J536880.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5,8,9,11,13,15,17,20,21,26,27  
Seq#:17; Xaa Pos. 17

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
Seq#:29,30,31,32,33,34

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/536,880

DATE: 03/20/2006  
TIME: 12:16:23

Input Set : A:\272924US0PCT.ST25.txt  
Output Set: N:\CRF4\03202006\J536880.raw

L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16  
L:177 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16